

**SEGA®**

# WONDER BOY

## INSTRUCTION MANUAL

FOR HORIZONTALLY  
MOUNTED MONITOR

**SEGA** ENTERPRISES, INC.

2149 PARAGON DR. SAN JOSE, CA 95131  
( 408 ) 435 - 0201



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## WARNING

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of F.C.C. Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct this interference.

## CONVERSION KIT CONTENTS

PART NO.	Q/U	DESCRIPTION
834-5984-10	1	IC BD WONDER BOY
834-5984-16	1	IC BD WONDER BOY
610-0001	1	ASSY 8 WAY JOYSTICK U/R
509-5123-01	2	SW PUSH BUTTON 1M WHITE
509-5123-02	2	SW PUSH BUTTON 1M RED
509-5123-03	2	SW PUSH BUTTON 1M YELLOW
421-6122	1	TV MASK SHEET
421-6327	2	STICKER CABINET SIDE WONDER BOY
423-0025	1	DESIGN PLATE WONDER BOY
422-0122-91	1	PLAY INSTR SH WONDER BOY
421-6187-91	1	CONTROL PANEL SHEET
SGB-3645X	1	WIRE HARN CONT PANEL
SGB-3620-3Y	1	WIRE HARN EXT USA
051-0005	4	FLANGE NUT M5
031-0520-B	4	CRG BLT-BLK M5×20
421-6307	1	ADJ & I/O INSTR SH WONDER BOY
421-5801-29	1	LICENSE SEAL WONDER BOY
117-5127-06	2	BUTTON INSTR PLATE JUMP
117-5127-07	2	BUTTON INSTR PLATE SPEED/ATTACK
916-3	1	WIRING DIAGRAM WONDER BOY
601-5214	4	L-LOCK
000-0310-F	4	M SCR PH W/F M3×10
420-5295	1	INSTRUCTION MANUAL ENG WONDER BOY
UC-0003	1	SHIELD BASE
UC-0004	1	SHIELD COVER
601-5525-100	1	BUSH 1.2 t
SGB-3722	1	WIRE HARN SHIELD EARTH
211-0167	2	TERM LUG RND ID 5
005-3516-F	6	W SCR RH W/F 3.5×16
010-0408-F	17	S-TITE SCR PH W/F M4×8
010-0310-F	4	S-TITE SCR PH W/F M3×10



## PREVENTION OF COUNTERFEITING AND CONVERSION

### LABELING

To prevent counterfeits and conversions, the following labels are put on all the SEGA products. When handling such goods, be sure to confirm the labels. They are used to prevent illegal acts such as the unauthorized copying of the products and the printed circuit boards thereof or carrying on business by manufacturing similar merchandise or by converting, selling or using such products or printed circuit boards.

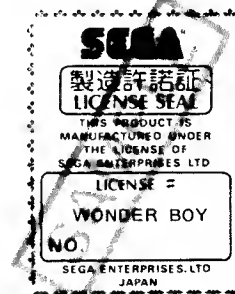
#### ORIGINAL SEAL

The following seal is put on the machines manufactured by SEGA.



#### LICENSE SEAL

The following seal is put on the kits, such as the printed circuit boards, of SEGA products.



### COPYRIGHT NOTICE

This SEGA product has the copyright notice as follows:

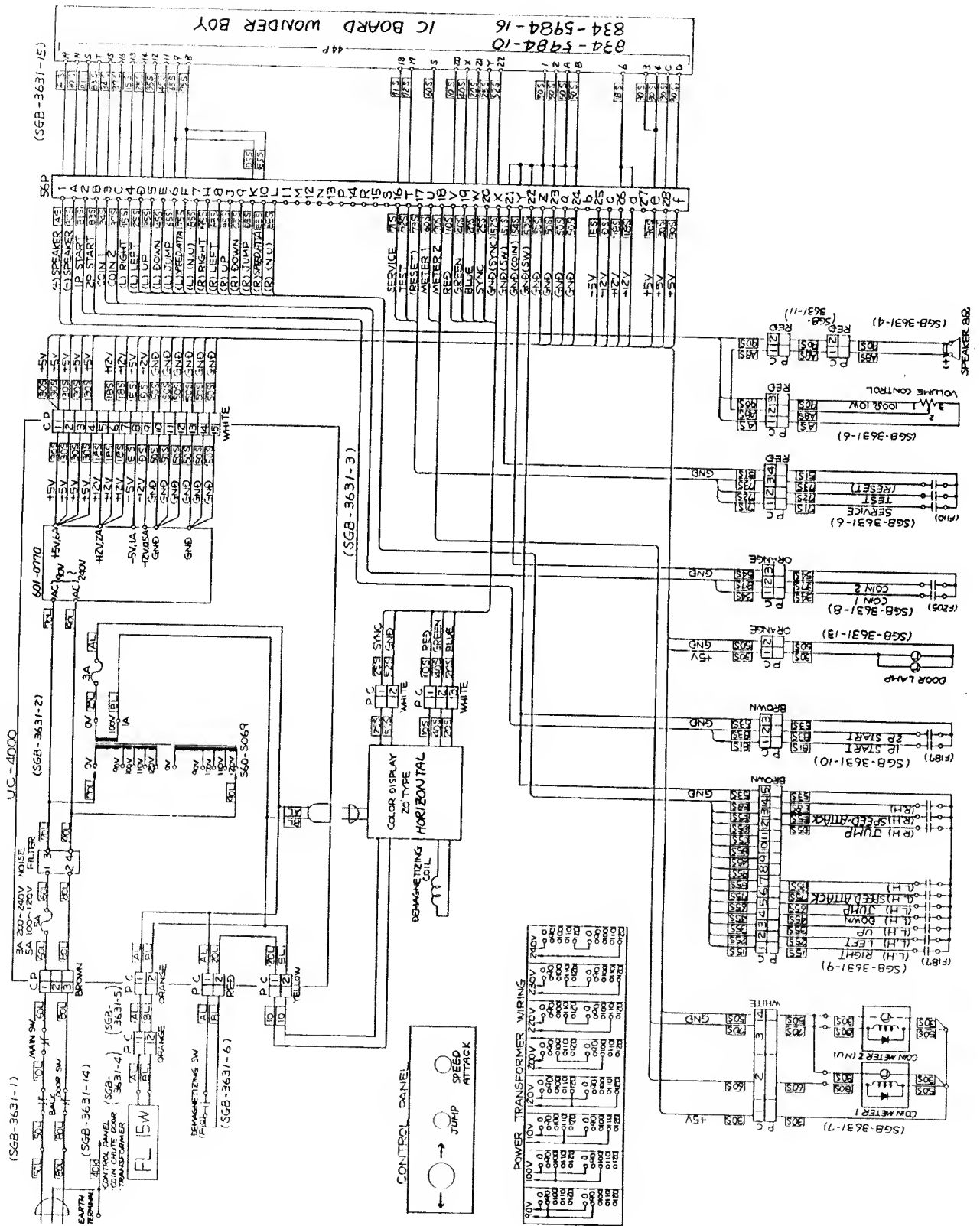
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This signifies that this work was disclosed in 1986 and is the property of SEGA ENTERPRISES, LTD.

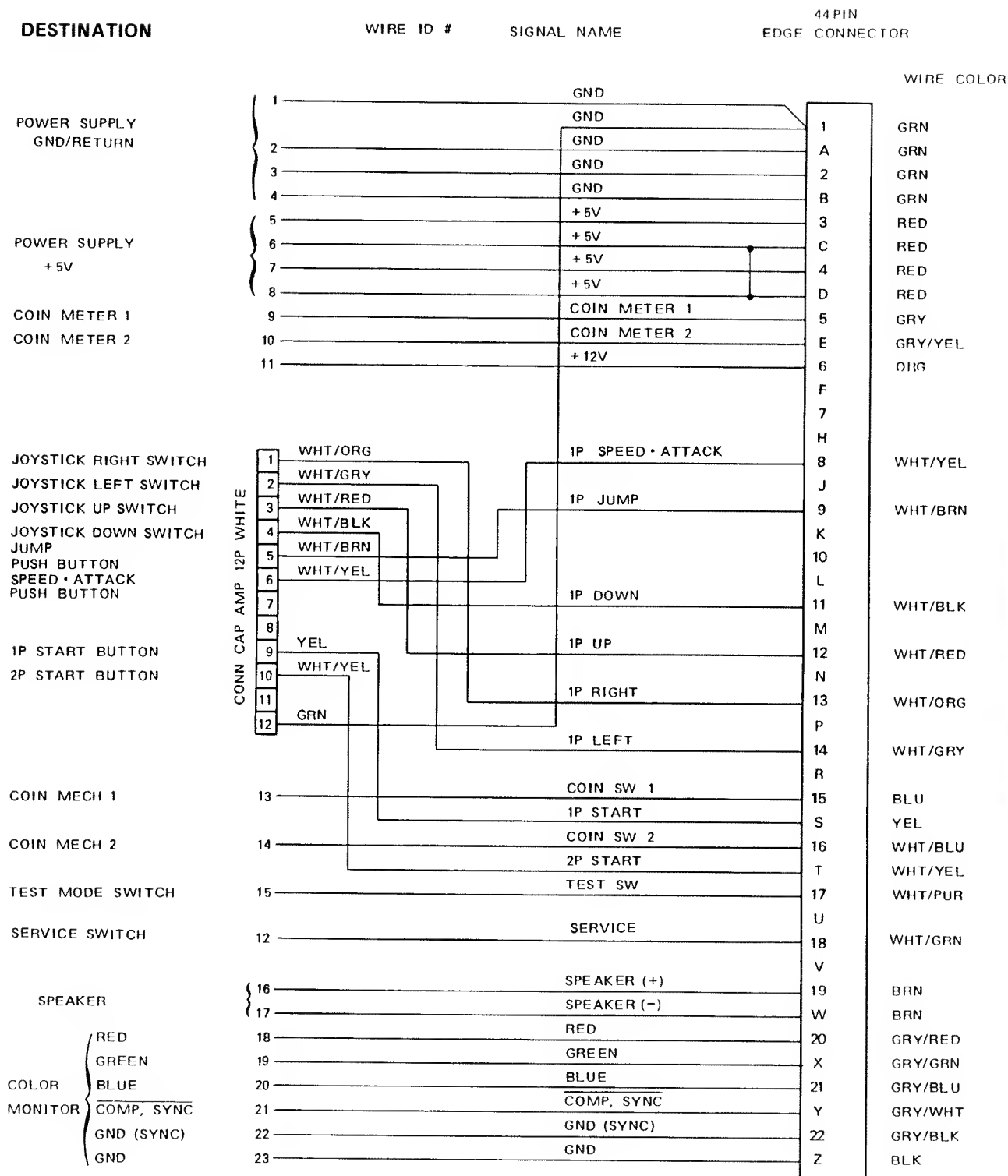
### NOTICE WARNING

After installation of this kit , the 5 volt power supply must be checked and adjusted to make certain exactly 5 volts are present at pins 1 & 3 ( 1 is negative and 3 is positive ) of the 44 pin edge connector. The voltage check and adjustment must be done while the PCB is plugged in to the 44 pin connector to supply the proper load. This PCB will not operate properly on voltages below 5 volts as measured at the board.

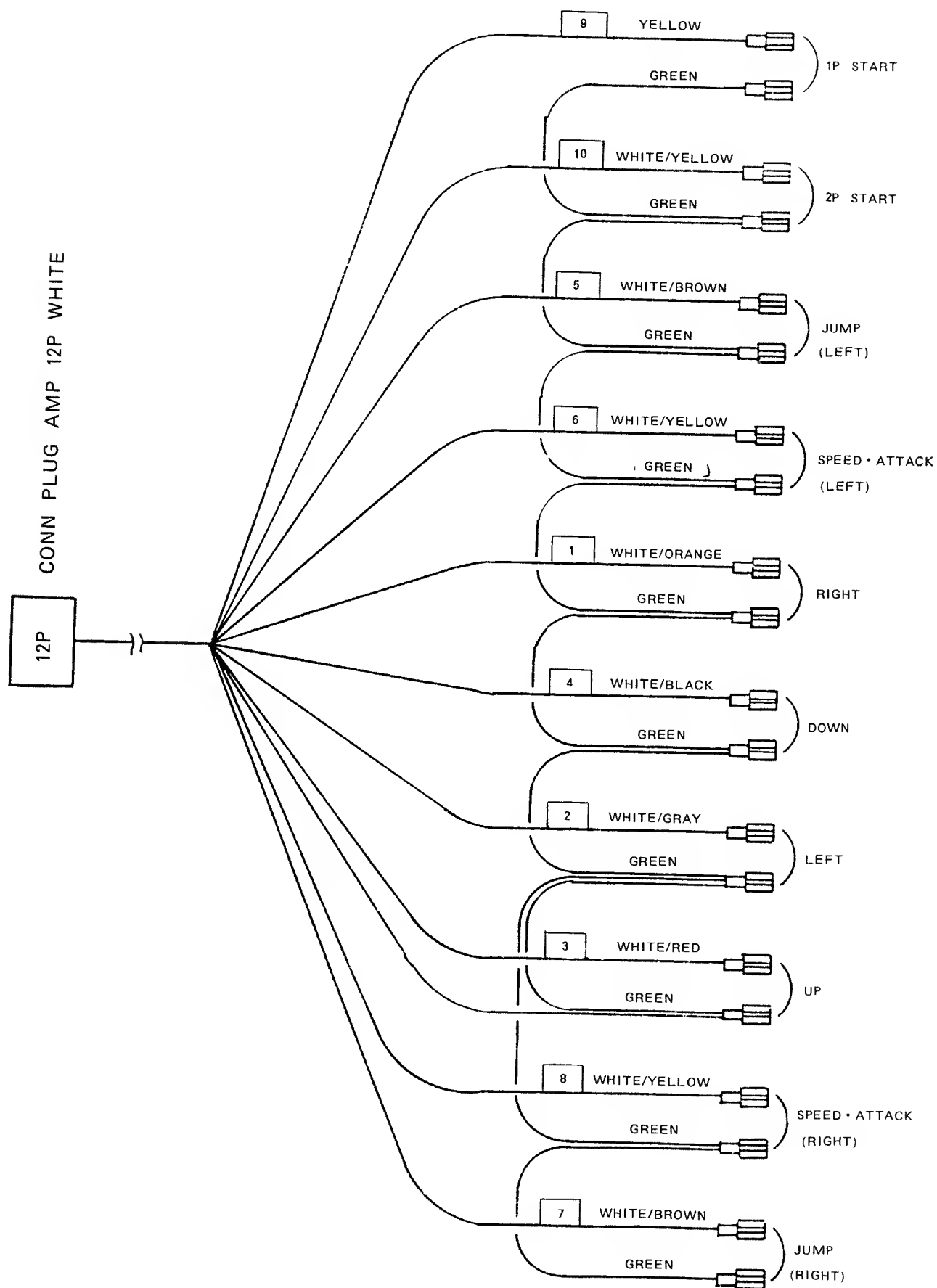
## WIRING DIAGRAM



# WIRING ROUTING (MAIN HARNESS)



# WIRING ROUTING (CONTROL PANEL HARNESS)

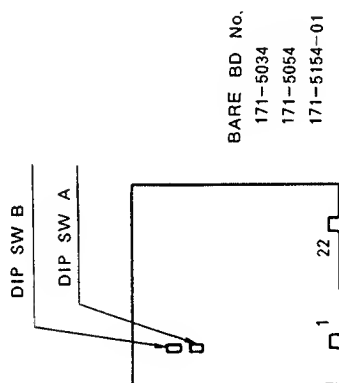
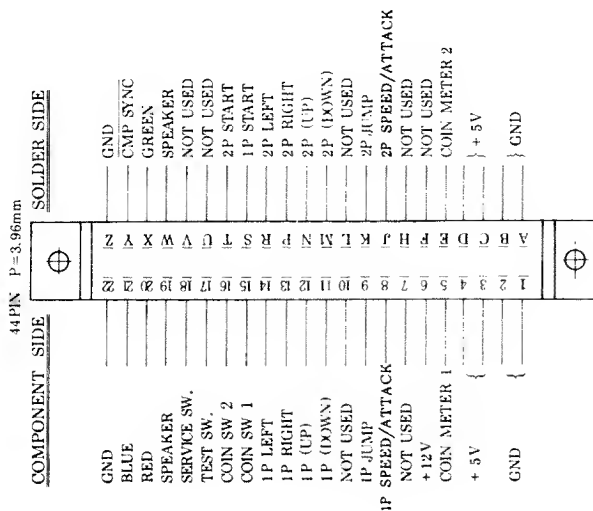




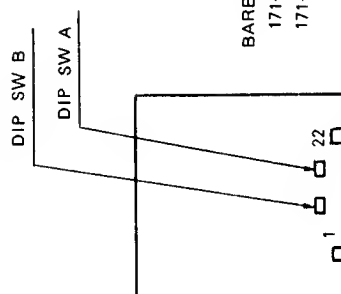
**WONDER BOY (834 - 5984)**

COIN/CREDIT OPTION SWITCH SETTING		DIP SWITCH #A							
OPTION		1	2	3	4	5	6	7	8
1 COIN	1 CREDIT	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1 COIN	2 CREDITS	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1 COIN	3 CREDITS	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
1 COIN	4 CREDITS	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
1 COIN	5 CREDITS	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
1 COIN	6 CREDITS	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
2 COINS	1 CREDIT	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
2 COINS	1 CREDIT	ON	ON	ON	OFF	ON	ON	ON	OFF
4 COINS	1 CREDIT	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
4 COINS	3 CREDITS	ON	OFF	OFF	ON	ON	OFF	OFF	ON
2 COINS	1 CREDIT								
2 COINS	1 CREDIT								
4 COINS	2 CREDITS								
4 COINS	2 CREDITS								
5 COINS	3 CREDITS								
6 COINS	4 CREDITS								
2 COINS	1 CREDIT								
4 COINS	3 CREDITS								
1 COIN	1 CREDIT								
2 COINS	2 CREDITS								
3 COINS	3 CREDITS								
4 COINS	4 CREDITS								
5 COINS	6 CREDITS								
1 COIN	1 CREDIT								
2 COINS	2 CREDITS								
3 COINS	3 CREDITS								
4 COINS	5 CREDITS								
1 COIN	1 CREDIT								
2 COINS	3 CREDITS								
1 COIN	1 CREDIT								
2 COINS	3 CREDITS								
1 COIN	1 CREDIT								

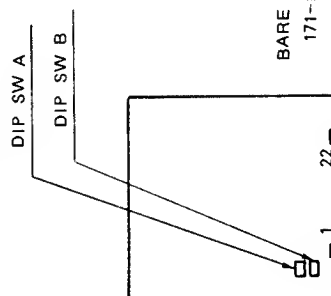
OPTION SWITCH SETTING					DIP SWITCH #B							
OPTION	1	2	3	4	5	6	7	8				
TABLE UPRIGHT	OFF ON											
ADVERTISE SOUND		OFF ON										
NUMBER OF PLAYERS	3 4 5 FREE		OFF ON OFF ON	OFF ON OFF ON					ON			
SCDRE FOR AN ADDITIONAL PLAYER	30000, 100000 170000, 240000 390000, 120000 210000, 300000				OFF ON							
CONTINUE						OFF ON						
NOT CONTINUE												
DIFFICULTY	NORMAL HARD								OFF ON			





BARE BD No.  
171-5034  
171-5054  
171-5154-01



BARE BD No.  
171-5054-02  
171-5054-03



BARE BD No.  
171-5303-02

JOYSTICK CONTROL DIRECTIONS			
	JUMP		SPEED ATTACK

SUPPLY VOLTAGES & CURRENT	
VOLTAGE	CURRENT
DC5V	4.1A
DC12V	0.25A

421-6307

**SEGA ENTERPRISES, LTD.**

**No. 2 - 12, Haneda 1 - chome**

**Ohta-ku, Tokyo 144, Japan**

○ **Tel. : (03) 743 - 7438**

○ **FAX : (03) 743 - 5539**

○ **TLX : J22357 SEGASTAR**

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